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TO: Jean F Vollano
Location: rem/4d49
Art Unit: 1600
Wednesday, April 20, 2005

Case Serial Number: 10/829475

From: Noble Jarrell
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Requester's Full Name: Jean Vollano Examiner #: 74137 Date: 4/19/05
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Inventors (please provide full names): _____

Earliest Priority Date: _____

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Search statement 1

?us5994515/pn

** SS 1: Results 1

Search statement 2

?prt full legalall max

1/1 PLUSPAT - (C) QUESTEL-ORBIT- image
CPIM Questel-Orbit
PN - US5994515 A 19991130 [US5994515]
TI - (A) Antibodies directed against cellular coreceptors for human
immunodeficiency virus and methods of using the same
PA - (A) UNIV PENNSYLVANIA (US)
PA0 - Trustees of the University of Pennsylvania, Philadelphia PA [US]
IN - (A) HOXIE JAMES A (US)
AP - US88243597 19970625 [1997US-0882435]
FD - Rel. Prov. 60/020, 396 19960600 [1996US-P020396]
PR - US2039696P 19960625 [1996US-P020396]
- US88243597 19970625 [1997US-0882435]
IC - (A) C07K-016/28
EC - C07K-016/28H
ICO - M07K-201/00
- M07K-203/00
PCL - ORIGINAL (O) : 530388220; CROSS-REFERENCE (X) : 424143100 424144100
530387100 530389100
DT - Basic
CT - Hoxie, et al. : Biological characterization of a Simian . . . : J.
Vir. : pp. 2557-2568, Aug. 1988.

Feng, et al. : HIV-1 Entry Cofactor: functional cDNA . . . : Science:
vol. 272: pp. 872-877, May 1996.

Cohen: Likely HIV cofactor Found: Science: vol. 272: pp. 809-810, May
1996.

Alkhatib et al., 1996, Science 272:1955-1958.

Berson et al., 1996, J. Virol. 70:6288-6295.

Bleul et al., 1996, Nature 282:829-833.

Bleul et al., 1997, Proc. Natl. Acad. Sci. USA 94:1925-1930.

Brass et al., 1994, J. Biol. Chem. 269:2943-2952.

Brelo et al., 1997, J. Virol. 71:4744-4751.

Burton et al., 1994, Adv. Immunol. 57:191-280.

Chaudhuri et al. , 1994, J. Biol. Chem. 269:7835-7838.

Chesebro et al., 1990, *J. Virol.* 64:215-221.

Choe et al., 1996, *Cell* 85:1135-1148.

Clackson et al., 1991, *Nature* 352:624.

Clapham et al., 1992, *J. Virol.* 66:3531-3537.

Clapham, 1991, *Rev. in Med. Virol.* 1:51-58.

Clapham et al., 1991, *Virology* 181:703-715.

Clapham et al., 1987, *Virology* 158:44-51.

Cocchi et al., 1995, *Science* 270:1811-1815.

Cohen, 1996, *Science* vol. 272:809-810.

Collins, "Scientists make AIDS breakthrough", *The Philadelphia Inquirer* (Jun. 20, 1996 ed.).

Crise et al., 1990, *J. Virol.* 64:5585-5593.

Deng et al., 1996, *Nature* 381:661-666.

Doranz et al., 1996, *Cell* 85:1149-1158.

Dragic et al., 1996, *Nature* 381:667-673.

Dragic et al., 1995, *J. Virol.* 69:1013-1018.

D'Souza et al., 1996, "Chemokines and HIV-1 second receptors", *Nature Medicine* 2:1293-1300.

Earl et al., 1994, *J. Virol.* 68:3015-3026.

Endres et al., 1996, "CD4-Independent Infection by HIV-2 Is Mediated by Fusin CXCR4", *Cell* 87:745-756.

Fahey et al., 1992, *Clin. exp. Immunol.*, 88: 1-5.

Fauci et al., 1996, *Nature* 384:529-534.

Feng et al., 1996, "HIV-1 Entry Cofactor: Functional cDNA Cloning of a Seven-Transmembrane, G Protein-Coupled Receptor", *Science* 272:872-876.

Fox 1994, No Winners Against AIDS, *Bio/Technology*, vol. 12: p. 128.

Harlow et al. 1988, In: *Antibodies, A Laboratory Manual*, Cold Spring Harbor, NY--too voluminous to submit.

Harouse et al., 1991, *Science* 253:320-323.

Haynes et al., 1996, The Finnish Medical Society DUODECIM, *Ann Med* 28:39-41.

Hesselgesser et al., 1997, "CD-4-independent association between HIV-1 gp 120 and CXCR4: functional chemokine receptors are expressed in human neurons", *Current Biology* 7:112-121.

Hoxie et al., 1988, *J. Virol.* 62:2557-2568.

Hoxie et al., 1986, *Science* 234:1123-1127.

Ikeuchi et al., 1990, *J. Virol.* 64:226-4231.

Jonker et al., 1993, "In vivo treatment with a monoclonal chimeric anti-CD4 antibody results in prolonged depletion of circulating CD4+ cells in chimpanzees", *Clin. Exp. Immunol.* 93:301-307.

Koot et al., 1992, AIDS 6:49-54.

LaBranche et al., 1994, J. Virol. 68:5509-5522.

Lapham et al., 1996, Science 274:602-605.

Leung et al., 1994, "Chimerization of LL2, a Rapidly Internalizing Antibody Specific for B Cell Lymphoma", Hybridoma 13:469-476.

Li et al., 1990, J. Virol. 64:1383-1387.

LoBuglio et al., 1989, "Mouse/human chimeric monoclonal antibody inman: Kinetics and immune response". Proc. Natl. Acad. Sci. USA 86:4220-4224.

Lu et al., 1997, Proc. Natl. Acad. Sci. USA, vol. 94:6426-6431.

Maddon et al., 1986, Cell 47:333-348.

McDougal et al., 1986, Science 231:382-385.

McKnight et al., 1997 "Inhibition of Human Immunodeficiency Virus Fusion by a Monoclonal Antibody to a Coreceptor (CXCR4) is both Cell Type and Virus Strain Dependent", J. Virol. 71:1692-1696.

McKnight et al., 1996, J. Virol. 70:4598-4606.

McKnight et al., 1995, J. Virol. 69:3167-3170.

McKnight et al., 1994, Virology, 201:8-18.

Miyoshi et al., 1981 Nature, 294:770-771.

Moore, 1997, Science 276:51.

Nara et al., 1988, Nature 332:469-470.

Nara et al., 1987, AIDS Res. and Hum. Retroviruses 3:283-202.

Neote et al., 1993, Cell 72:415-425.

Oberlin et al., 1996, Nature 382:833-835.

Pelchen-Matthews et al., 1989, EMBO J. 8:3641-3649.

Picard et al., 1997, Virology, 231:105-111.

Power et al., 1996, Trends Pharmacol. Sci. 17:209-213.

Power et al., 1995, J. Biol. Chem. 270:19495-19500.

Premack et al., 1996, "Chemokine receptors: Gateways to inflammation and infection", Nature Medicine 2:1174-1178.

Queen et al., 1989. Proc. Natl. Acad. Sci USA, vol. 86:10029-10033.

Ratner et al., 1987, AIDS Res. and Hum. Retroviruses 3:57-69.

Sambrook et al., 1989, Molecular Cloning: A Laboratory Manual, Cold Spring Harbor, NY—too voluminous to submit.

Samson et al., 1996, Biochemistry 35:3362-3367.

Sattentau, et al., 1986, Epitopes of the CD4 Antigen and HIV Infection, Science, vol. 234:1120-1122.

Schneider-Schaulies et al., 1995, Proc. Natl. Acad. Sci. USA 92:3943-3947.

Simmons et al., 1996, Virology 70:8355-8360.

Simmons et al., 1995, *Virology* 209:696-700.
Stefano et al., 1993, *J. Virol.* 67:6707-6715.
Striziki et al., 1997, *J. Virol.* p. 5678-5683.
Sung Co et al., 1992, "Chimeric and Humanized Antibodies with Specificity for the CD33 Antigen", *J. Immunol.* 148:1149-1154.
Takeuchi et al., 1991, *J. Virol.* 65:1710-1718.
Tateno et al., 1989, *Proc. Natl. Acad. Sci. USA* 86:4287-4290.
Weiner et al., 1991, *Pathobiol.* 59:361-371.
Willett et al., 1997, "Common mechanism of infection by lentiviruses", *Nature* 385:587.
Weiss et al., 1996, *Nature* 381:647-648.
Wright et al., 1992, "Genetically Engineered Antibodies: Progress and Prospects", *Critical Rev. in Immunol.* 12(3,4):125-168.

Wu et al., 1996, *Nature* 384:179-183.

Zagury et al., 1988, *Proc. Natl. Acad. Sci. USA* 85:5941-5945.

STG - (A) United States patent

AB - The invention relates to an anti-immunodeficiency virus antibody which binds to a cellular protein and diagnostic and therapeutic methods of using the same.

1/1 LGST - (C) EPO

PN - US5994515 A 19991130 [US5994515]

AP - US88243597 19970625 [1997US-0882435]

ACT - 20041207 US/RF-A

REISSUE APPLICATION FILED

EFFECTIVE DATE: 20040422

UP - 2004-52

1/1 CRXX - (C) CLAIMS/RRX

AN - 3246518

PN - 5,994,515 A 19991130 [US5994515]

PA - Pennsylvania, University of

PT - C (Chemical)

ACT - 20040422 REISSUE REQUESTED

ISSUE DATE OF O.G.: 20041203

REISSUE REQUEST NUMBER: 10/829475

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UNITED STATES PATENT AND TRADEMARK OFFICE GRANTED PATENT

5994515

[Link to Claims Section](#)

November 30, 1999

Antibodies directed against cellular coreceptors for human immunodeficiency virus and
methods of using the same

REISSUE: April 22, 2004 - Reissue Application filed Ex. Gp.: 1648; Re. S.N. 10/829,475 (O.G. December 7, 2004)

APPL-NO: 882435 (08)

FILED-DATE: June 25, 1997

GRANTED-DATE: November 30, 1999

ASSIGNEE-AT-ISSUE: Trustees of the University of Pennsylvania, Philadelphia, Pennsylvania, United States (US), 02

ASSIGNEE-AFTER-ISSUE: December 18, 1997 - ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS)., PENNSYLVANIA, UNIVERSITY OF, TRUSTEES OF THE, THE SUITE 300 3700 MARKET STREET PHILADELPHIA PENNSYLVANIA 19104, Reel and Frame Number: 08859/0203

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w/p	in same paragraph
notw/p	not in same paragraph
w/seg	in same segment
notw/seg	not in same segment
w/s	in same sentence
notw/s	not in same sentence
and not	and not

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